

## DELETED REPLACEMENT SHEET

~~(g) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).~~

### ~~FIGURE ONE~~

#### ~~RING MUTE FROM VARIOUS ANGLES~~

##### ~~A) Horizontal View of the Mute~~

- ~~—1. Opening~~
- ~~—2. Flexible Foam Urethane Ring .625 Inches Thick~~
- ~~—3. 1 Inch Wide Adhesive Tape Strip 9 Mils Thick, Attached to the Outer Section~~  
~~—of the 1.25 Inch Wide Urethane Foam Ring~~
- ~~—4. Inner Area of the Ring Mute Showing the .25 Inch Deep Incision~~

##### ~~B) Front View of Mute~~

- ~~—1. Opening~~
- ~~—2. Flexible Foam Urethane Ring .625 Inches Thick~~
- ~~—3. 1 Inch Wide Adhesive Tape Strip 9 Mils Thick, Attached to the Outer Section~~  
~~—of the 1.25 Inch Wide Urethane Foam Ring~~
- ~~—4. Inner Area of the Ring Mute Showing the .25 Inch Deep Incision~~

##### ~~C) Vertical View of the Mute~~

- ~~—1. Opening~~
- ~~—2. Flexible Foam Urethane Ring .625 Inches Thick~~
- ~~—3. 1 Inch Wide Adhesive Tape Strip 9 Mils Thick, Attached to the Outer Section~~  
~~—of the 1.25 Inch Wide Urethane Foam Ring~~
- ~~—4. Inner Area of the Ring Mute Showing the .25 Inch Deep Incision~~

### ~~FIGURE TWO~~

#### ~~Horizontal View of the Mute~~

## REPLACEMENT SHEET

### (g) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).

In drawings forming a portion of the disclosure of this invention:

FIG. 1 is a cut away view of the present invention attached to the bell rim of a brass musical instrument.

FIG. 2 is a three part view showing the dimensions of the present invention without a brass musical instrument.

FIG. 3 is an angled frontal view of the present invention attached to the bell rim of a brass musical instrument.

FIG. 4 is an angled rear view of the present invention attached to the bell rim of a brass musical instrument.

## REPLACEMENT SHEET

### (h) DETAILED DESCRIPTION OF THE INVENTION.

The present invention is a non adjustable, non resonating device for dampening the sound of a brass musical instrument by the use of a sound absorbing, open cell, flexible, urethane foam, which is formed into a ring and placed on the bell rim of a brass musical instrument without the use of screws or wires for attachment.

With references to Figures 1 through 4, the present invention is shown. The present invention 6 is shown with the urethane foam body 5 with an incision 3 fitted onto the bell rim 4 of a brass musical instrument 1. Protective adhesive tape 2 is shown encircling the outer portion of the urethane foam body 5.

Mute 6 is shown from three different angles without the brass musical instrument 1 showing the .25 inch deep incision 3 and the .625 inch by 1.25 inch dimensions of the open cell urethane foam body 5 and the 1 inch wide protective adhesive tape 2 with the thickness of 9 mils.

Mute 6 is shown from a frontal angle placed on a brass musical instrument 1. From this angle, the urethane body 5 and the protective adhesive tape 2 are shown.

Mute 6 is shown from a rear angle placed on a brass musical instrument 1. From this angle the urethane body 5 and the protective adhesive tape 2 are shown.

Thus, it is amply demonstrated that the present invention is not comprised of a resonating body nor does it require screws or wires for attachment onto the bell rim of a brass musical instrument. Instead, the present invention is comprised of a sound absorbing or dampening material (As defined by American National Standards Institute (ANSI) S1.1-1994 Acoustical Terminology) shaped into a ring and placed onto the bell rim of a brass musical instrument. By the use of a non adjustable sound proofing ring made of flexible, open cell, urethane foam (Which by definition is commonly used for sound proofing. ChemIndustry.Com) placed on the bell rim of a brass musical instrument, the sound of the brass musical instrument is dampened. Also, bell design will vary greatly from one type of brass musical instrument to a

different type of brass musical instrument, for example the difference between a trombone and a tuba. This will require the dimensions of the present invention to vary in accordance with the instrument to which it is being applied. In addition, bell design can vary from trumpet to trumpet (A Quick Look At Bell Vibrations, IGT, Oct. 2001) requiring possible variations in the present invention. However, the variations in foam ring dimension and the type of sound absorbing foam used will not result in any loss in the spirit or intent of the present invention to absorb the sound of a brass musical instrument. Thus, the amount of sound that is absorbed or dampened is dependent on the dimensions and the type of foam used (American Micro Industries, Inc.).

- ~~—1. Opening~~
- ~~—2. Flexible Foam Urethane Ring .625 Inches Thick~~
- ~~—3. 1 Inch Wide Adhesive Tape Strip 9 Mils Thick, Attached to the Outer Section~~  
~~—of the 1.25 Inch Wide Urethane Foam Ring~~
- ~~—4. Inner Area of the Ring Mute Showing the .25 Inch Deep Incision~~

### ~~FIGURE THREE~~

#### ~~Front View of Mute~~

- ~~—1. Opening~~
- ~~—2. Flexible Foam Urethane Ring .625 Inches Thick~~
- ~~—3. 1 Inch Wide Adhesive Tape Strip 9 Mils Thick, Attached to the Outer Section~~  
~~—of the 1.25 Inch Wide Urethane Foam Ring~~
- ~~—4. Inner Area of the Ring Mute Showing the .25 Inch Deep Incision~~

### ~~FIGURE FOUR~~

#### ~~Vertical View of the Mute~~

- ~~—1. Opening~~
- ~~—2. Flexible Foam Urethane Ring .625 Inches Thick~~
- ~~—3. 1 Inch Wide Adhesive Tape Strip 9 Mils Thick, Attached to the Outer Section~~  
~~—of the 1.25 Inch Wide Urethane Foam Ring~~
- ~~—4. Inner Area of the Ring Mute Showing the .25 Inch Deep Incision~~



## DELETED REPLACEMENT SHEET

### ~~(h) DETAILED DESCRIPTION OF THE INVENTION.~~

~~—The present invention (ring mute) is comprised of a flexible foam urethane ring 1.25 inches wide and .625 inches thick with an incision .25 inches deep extending the entire inner circumference of the invention. A non porous adhesive tape strip 1 inch wide and 9 mils thick encircles the entire outer area of the foam ring which helps protect the ring from damage (See Drawings).~~

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## DELETED SHEET

### ~~DESCRIPTION OF RELATED ART~~

~~—Conventionally, if a brass musician (for example trumpet player) wanted to express a round, smooth, smoky sound from an instrument, generally two avenues were taken. Purchase a vintage trumpet (The Martin Company Committee B-flat Trumpet) which tends to have a smooth, rounded, smoky sound due to materials and design. The famous trumpet player Miles Davis who used the Martin Company Committee B-flat Trumpet would be an excellent example of the smooth, rounded, smoky sound); or use a flugelhorn.~~

~~—FIG. 1 Vintage trumpet from around the 1940-1950~~

~~—FIG. 2 Flugelhorn~~

~~—Although no mute on the market creates the sound of the ring mute, several mutes are available to assist the musician with added expressivity. All current mutes are designed to be placed into the bell of the brass musical instrument thus causing more air blow resistance and pitch change. Examples of such mutes are the Harmon mute, the straight mute and the cup mute.~~

~~—FIG. 3 Harmon mute~~

~~—FIG. 4 Harmon mute with brass instrument~~

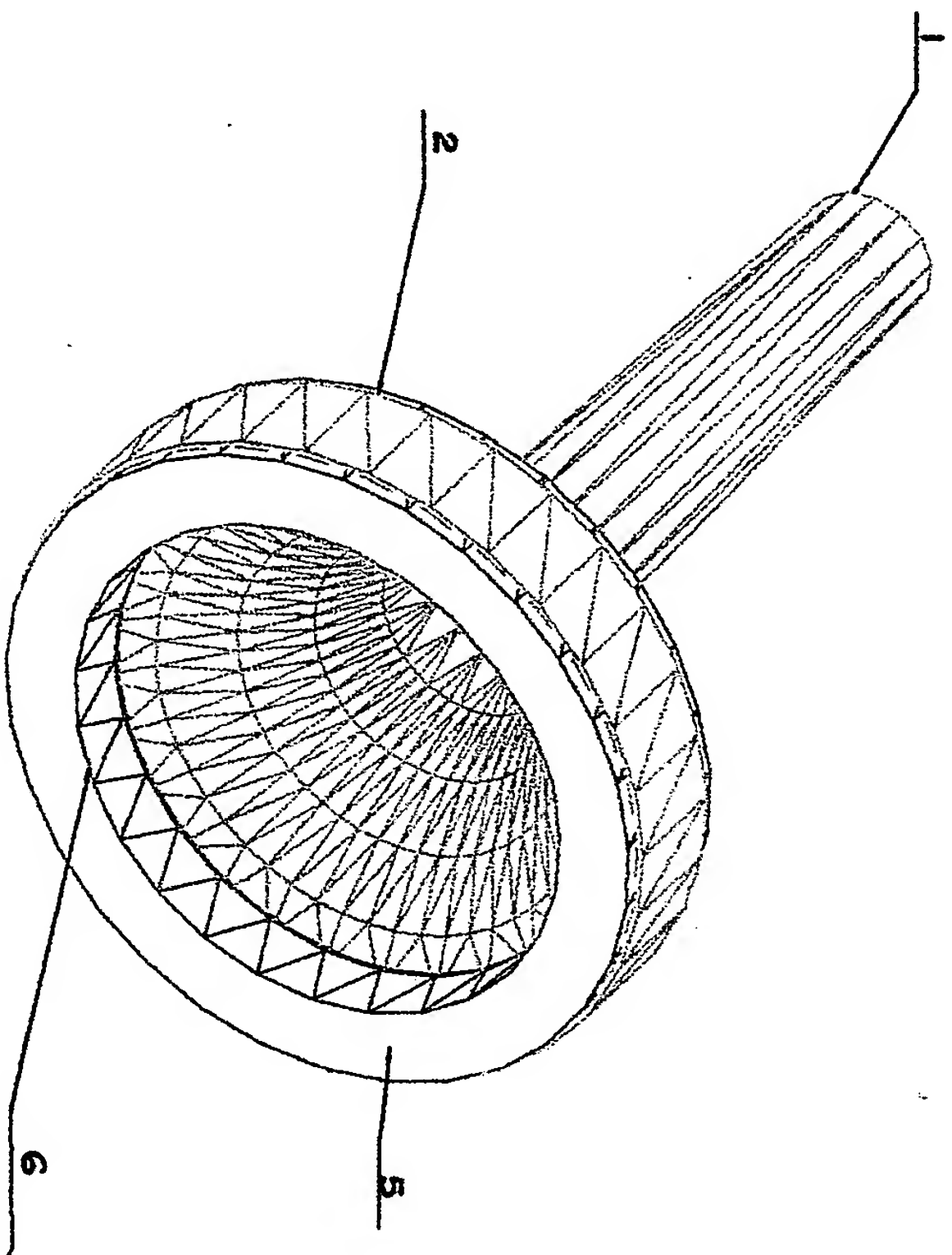
~~—FIG. 5 Straight mute~~

~~—FIG. 6 Straight mute with brass instrument~~

~~—FIG. 7 Cup mute~~

~~—FIG. 8 Cup mute with brass instrument~~

Annotated Sheet



Legend	
1	Musical Instrument
2	Adhesive Tape "9ml."
3	Incision
4	Bellrim
5	Urethane Body
6	Mute

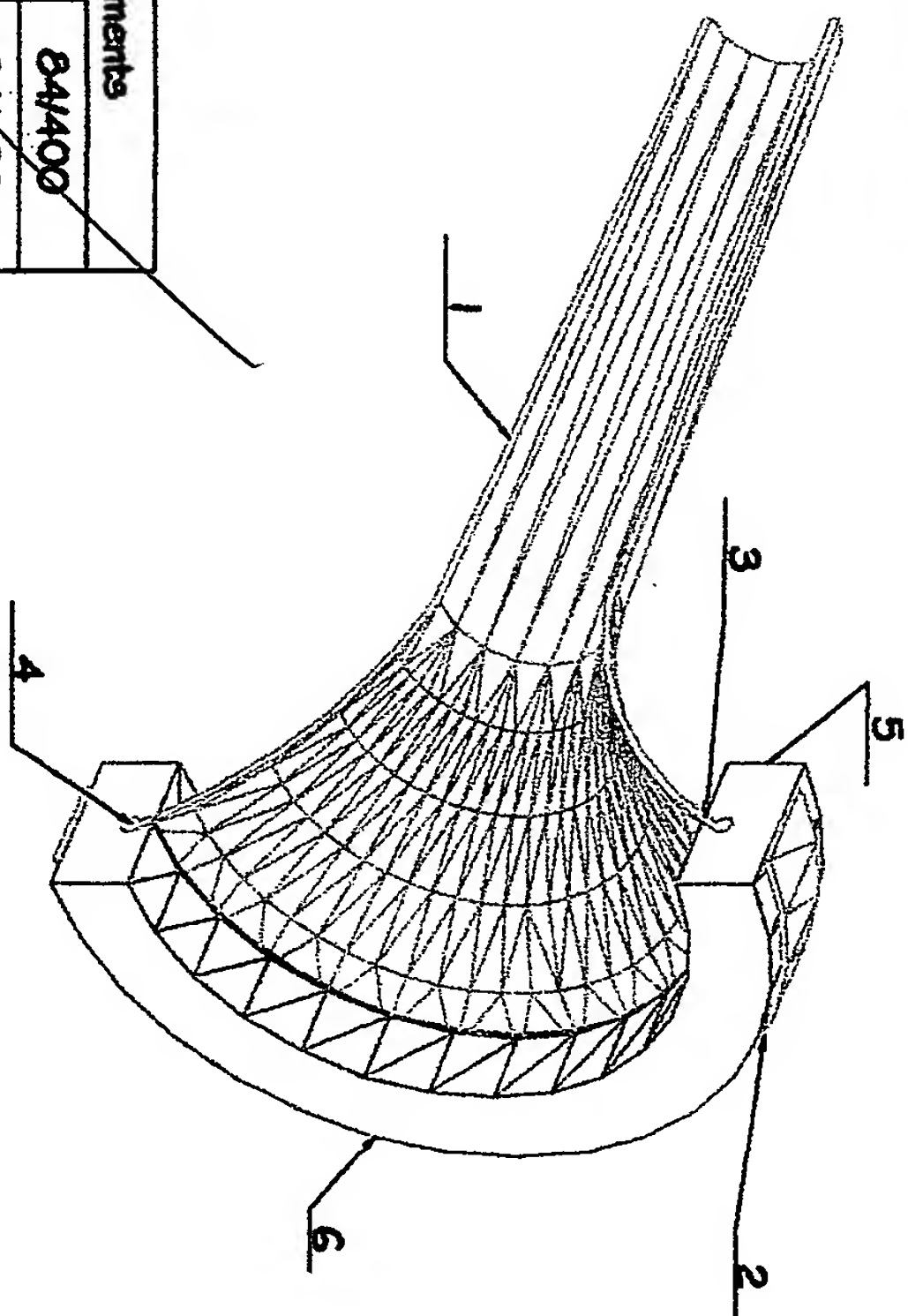
Title - Mute for Brass Instrument

Figure: 3

Scale - 1/2" = 1" Braun fig: UTS

Annotated Sheet

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Submitted June 2003  
Field of Search 84 / 400,453~~



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REPLACEMENT SHEET

ABSTRACT OF THE DISCLOSURE.

The present invention (ring mute) is a device comprised of a sound absorbent foam urethane ring with an incision encircling the inner section of the ring with an adhesive strip encircling the outer section of the ring to protect the foam ring from damage. The ring mute is designed to fit onto and around the rim of the bell of a brass musical instrument. The rim of the bell fits into the incision located in the inner section of the foam ring. The purpose of the ring mute is to dampen the sound of a brass musical instrument.

3 CLAIMS 4 DRAWINGS

Legend	
1	Musical Instrument
2	Adhesive Tape "9ml."
3	Incision
4	Bellrim
5	Urethane Body
6	Mute

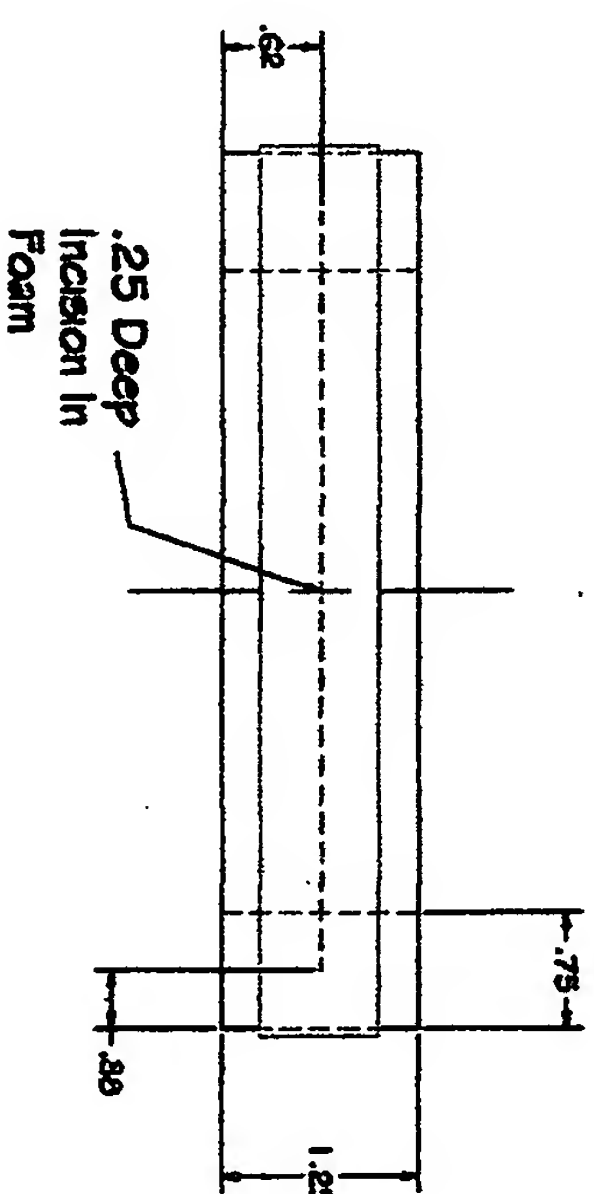
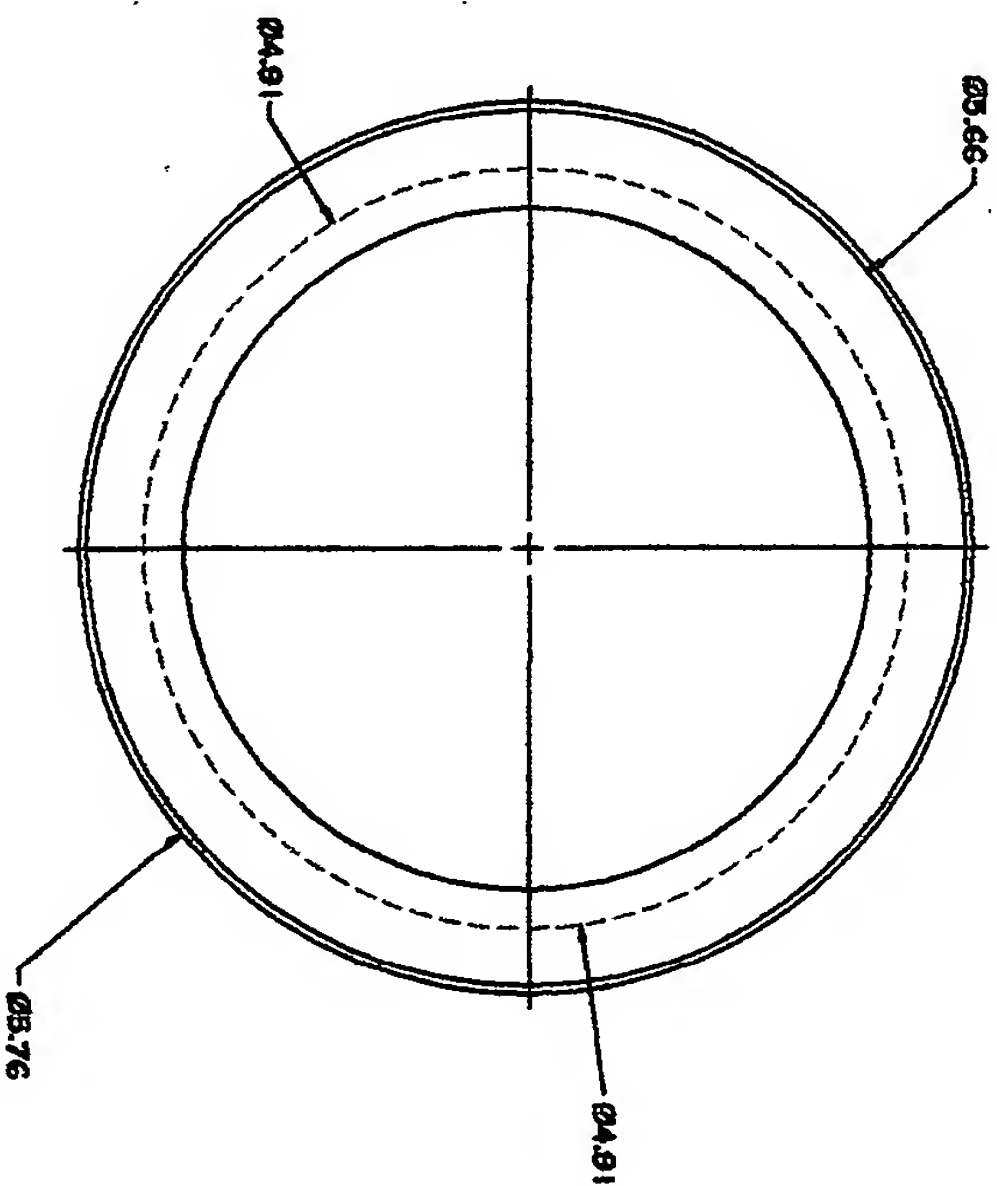
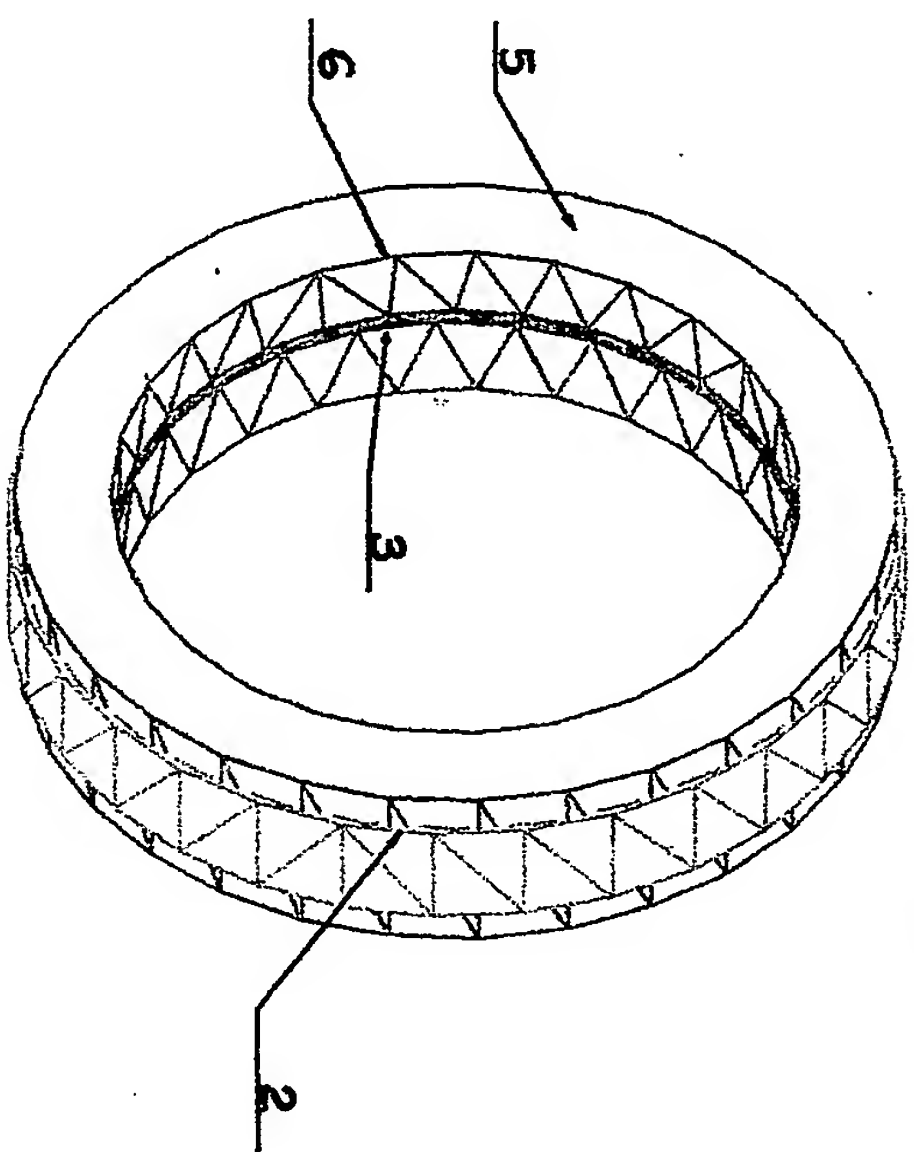
Title --- Mute For Brass Instrument  
Figure: 1

Scale --- As Shown  
Drawn By: DTC



# Annotated Sheet

Legend	
1	Musical Instrument
2	Adhesive Tape "9ml."
3	Incision
4	Bellrim
5	Urethane Body
6	Mute



**Title** --- Mute For Brass Instrument

**Figure: 2**

**Scale** --- Full Size **Drawn by:** UTC